

**FLYBACK TRANSFORMER WIRE ATTACH METHOD
TO PRINTED CIRCUIT BOARD**

Abstract

5 A method of forming a surface mount transformer. The method comprises
winding insulated wire around a magnetic core to form at least one secondary
transformer coil, winding insulated wire around the magnetic core to form at least one
primary transformer coil, attaching wire ends of the at least one primary coil to at least
first and second vias of a printed circuit board (PCB), attaching wire ends of the at
10 least one secondary coil to at least third and fourth vias of the PCB, affixing the coils
and the magnetic core to the first side of the PCB, and attaching the coil wire ends
flush to a surface of the vias on the second side of the PCB.

"Express Mail" mailing label number: EV332571206US

Date of Deposit: July 21, 2003

This paper or fee is being deposited on the date indicated above with the United States Postal Service pursuant to 37 CFR 1.10, and is addressed to the Mail Stop Patent Application, Commissioner for Patents, P.O.Box 1450, Alexandria, VA 22313-1450.